

ABSTRACT OF THE DISCLOSURE

An implantable device including a housing having a stud projecting percutaneously through an incision in the patient's skin. The stud defines a peripheral surface extending longitudinally inwardly from the stud outer end.

5 The longitudinal peripheral surface is used as a substrate to carry a peripheral fibrous layer which extends longitudinally along the stud from its outer end adjacent to the skin incision to below the patient's epidermal and dermal skin layers for promoting laterally directed soft tissue ingrowth. The housing also defines a lateral shoulder surface oriented substantially perpendicular to the

10 longitudinal peripheral surface. The shoulder surface, when implanted, is located just inwardly from the patient's outer skin surface. The shoulder surface also carries a porous layer conducive to promoting tissue ingrowth. The provision of both lateral and longitudinal porous layers on the device allows tissue ingrowth, i.e., tissue growth into the interstices of both porous

15 layers to form an enhanced infection resistant barrier while also providing improved device anchoring.

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